



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

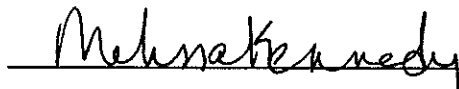
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010546
CERTIFICATION DATE: September 10, 2013
DATE RECERTIFICATION DUE: March 9, 2014

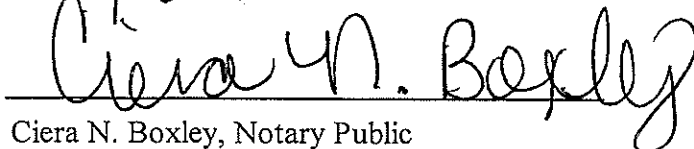
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.



Melissa Kennedy

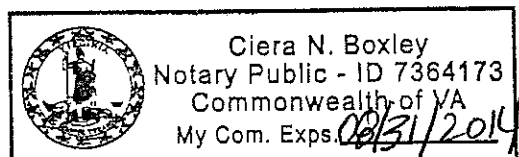
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 16th day of
September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

 My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/12/2013

HMS
WJH

Instrument Serial Number:	010546	As of 12-Sep-13
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
10-Sep-13	10-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
16-Apr-13	16-Apr-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
10-Dec-12	10-Dec-12	HMS (18910)	CERTIFIED
19-Oct-12	19-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
18-Oct-10	18-Oct-10	HMS (18910)	CERTIFIED
09-Sep-10	07-May-10	HMS (18910)	REPLACED DRY GAS STANDARD.
07-May-10	07-May-10	HMS (18910)	CERTIFIED
12-Nov-09	12-Nov-09	NMJ (22392)	REPLACED DRY GAS STANDARD, CERTIFIED.
05-Jun-09	05-Jun-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
28-Jan-09	28-Jan-09	HMS (18910)	CERTIFIED.
22-Jan-09	22-Jan-09	HMS (18910)	CERTIFIED.
08-Dec-08	08-Dec-08	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

Handwritten initials: "HMS" and "NOK" with a checkmark.

Instrument Serial Number 010546 Worksheet Start Date 9/10/2013
Location Chesapeake Jail
Address 304 Albermarle Dr., Chesapeake, VA 23322
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

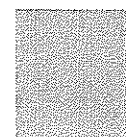
7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.
New serial no.
E-Seek
Keyboard
Printer
UPS

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010546

Certification Date 9/10/2013

Instrument Barometer (mm HG) 765

Reference Barometer (mm HG) 767

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.252	0.244	0.259	Sample 2	0.253
Precision		sample min	sample max	Sample 3	0.253
0		0.253	0.253		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0		0.152	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)


AG316301-10

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.101	0.097	0.104	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0.001		0.100	0.101		

DFS Technician



Date

9/12/13

Issuing Analyst



Date

9/16/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

HND
MOK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/10/2013
TEST EQUIPMENT NUMBER 010546		

RESULTS: TIME SAMPLE TAKEN 09:17 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 12 Sep 2013 at 08:27

HWB
NWK

Test Results

Instrument Serial Number 010546

Test # 001803 Subject Test

Test Location 1 Department of

Test Date 10 Sep 2013

Test Location 2 Forensic Science

Test Time 09:11

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 10 Sep 2013

End Time 09:18

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG227501-17

Tank Pressure 164

Blow Sample Number 1

Blow Duration 4.05 sec

Blow Sample Number 2

Blow Duration 3.71 sec

Tamper Evident Stamp 4dbe814e

Test Status Success

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Driver's License Expiration 00/00/0000

Court Name DFS

Result Time 09:17

Sample Value Pass

Sample Value 0.000

Sample Value 0.101

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Result Date 10 Sep 2013

Result 0.00

Sample Time 09:11

Sample Time 09:12

Sample Time 09:13

Sample Time 09:14

Sample Time 09:15

Sample Time 09:16

Sample Time 09:17

Sample Time 09:18

Standard Value 0.101

Standard Expiration Date 10/01/2014

Barometric Pressure 765 mmHg

Blow Volume 1950 cc

End-of-Blow Time 09:15

Blow Volume 1753 cc

End-of-Blow Time 09:17

Test Status Code 0

HMS
msk

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010546

System Date: 09/10/2013

System Time: 09:43 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010546 Test Number: 1804

Test Date: 09/10/2013 Test Time: 09:46 EDT

Dry Gas Target: 0.101

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 747 psi Barometric Pressure: 766 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	09:46
CAL	0.101	09:47

Test Status: Success

Calibration CRC: F6D4DC45

IMO
NKK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010546 Test Number: 1805
Test Date: 09/10/2013 Test Time: 09:50 EDT

Technician Initials: HMS

Dry Gas Target: 0.252

Lot Number: 06512250I5-04 Exp Date: 04/01/2014

Tank Pressure: 61 psi Barometric Pressure: 765 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:50
BLK	0.000	09:51
CHK	0.253	09:52
BLK	0.000	09:53
CHK	0.253	09:54
BLK	0.000	09:56
CHK	0.253	09:57
BLK	0.000	09:58

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
RSH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010546 Test Number: 1806
Test Date: 09/10/2013 Test Time: 10:00 EDT

Technician Initials: HMS

Dry Gas Target: 0.151

Lot Number: 07713150I3-04 Exp Date: 05/01/2015

Tank Pressure: 257 psi Barometric Pressure: 765 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:00
BLK	0.000	10:01
CHK	0.152	10:02
BLK	0.000	10:03
CHK	0.152	10:04
BLK	0.000	10:05
CHK	0.152	10:06
BLK	0.000	10:08

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS

WDL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010546 Test Number: 1807
Test Date: 09/10/2013 Test Time: 10:09 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.081

Lot Number: 0651208012-04 Exp Date: 04/01/2014

Tank Pressure: 321 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:09
BLK	0.000	10:10
CHK	0.081	10:11
BLK	0.000	10:12
CHK	0.081	10:13
BLK	0.000	10:14
CHK	0.081	10:15
BLK	0.000	10:16

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS

WJL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010546 Test Number: 1808
Test Date: 09/10/2013 Test Time: 10:17 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 350 psi Barometric Pressure: 765 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:18
BLK	0.000	10:19
CHK	0.019	10:19
BLK	0.000	10:21
CHK	0.019	10:21
BLK	0.000	10:23
CHK	0.019	10:23
BLK	0.000	10:25

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS
WJK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010546 Test Number: 1809

Test Date: 09/10/2013 Test Time: 10:27 EDT

Dry Gas Target: 0.302

Lot Number: AG322702-02 Exp Date: 08/15/2015

Tank Pressure: 453 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:28
CHK	0.305	10:29
BLK	0.000	10:31
CHK	0.305	10:31
BLK	0.000	10:33
CHK	0.305	10:34

Test Status: *Success*

Calibration CRC: F6D4DC45

AMS

WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010546 Test Number: 1810

Test Date: 09/10/2013 Test Time: 10:37 EDT

Dry Gas Target: 0.101

Lot Number: AG316301-10 Exp Date: 06/12/2015

Tank Pressure: 1125 psi Barometric Pressure: 765 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:37
CHK	0.101	10:38
BLK	0.000	10:40
CHK	0.100	10:41
BLK	0.000	10:42
CHK	0.101	10:43

Test Status: *Success*

Calibration CRC: F6D4DC45




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 09/10/2013
TEST EQUIPMENT NUMBER 010546		

RESULTS: TIME SAMPLE TAKEN 10:50 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 12 Sep 2013 at 08:36

Handwritten initials: JMS and ASK

Test Results

Instrument Serial Number 010546

Test # 001811 Subject Test

Test Location 1 Department of
Test Date 10 Sep 2013

Test Location 2 Forensic Science
Test Time 10:44
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 10 Sep 2013 End Time 10:52

Result Time 10:50

Result Date 10 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:45

Data Type BLK

Sample Value 0.000

Sample Time 10:45

Data Type CHK

Sample Value 0.100

Sample Time 10:46

Data Type BLK

Sample Value 0.000

Sample Time 10:47

Data Type SUBJ

Sample Value 0.000

Sample Time 10:48

Data Type BLK

Sample Value 0.000

Sample Time 10:49

Data Type SUBJ

Sample Value 0.000

Sample Time 10:50

Data Type BLK

Sample Value 0.000

Sample Time 10:51

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG316301-10

Standard Expiration Date 06/12/2015

Tank Pressure 1125

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.64 sec

Blow Volume 1753 cc End-of-Blow Time 10:48

Blow Sample Number 2 Blow Duration 3.70 sec

Blow Volume 1728 cc End-of-Blow Time 10:50

Tamper Evident Stamp b696b498

Test Status Code 0

Test Status Success